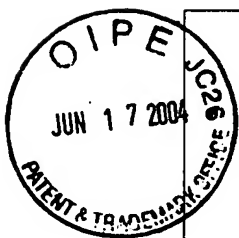


IFW



# TRANSMITTAL FORM

(To be used for all correspondence  
after initial filing)

Application Number	10/717,976
Filing Date	November 20, 2003
First Named Inventor	Linda Thorne
Art Unit	1753
Examiner Name	
Attorney Docket No.	850136.411

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement; Form PTO-1449 <input type="checkbox"/> Cited References <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53 <input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Request for Corrected Filing Receipt <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Declaration <input checked="" type="checkbox"/> Statement under 37 CFR 3.73(b) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund	<input type="checkbox"/> CD(s), Number of CD(s) _____ <input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below): <u>Copy of Assignment</u> _____ _____ _____
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Remarks

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Individual Name	Qing Lin, Ph.D.	Customer Number	00500
Signature			
Date	June 14, 2004		

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Karen Williamson	
Signature		Date: June 14, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

#489999\_1.DOC

**ELECTION AND POWER OF  
ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	10/717,976
Filing Date	November 20, 2003
First Named Inventor	Linda Thome
Group Art Unit	1753
Examiner Name	
Attorney Docket Number	850136.411

I hereby appoint:

☒ Practitioners at Seed IP Law Group PLLC

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

☐ Firm or  
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☒ As assignee of record of the entire interest I/we hereby elect, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventors.**SIGNATURE of Applicant or Assignee of Record**

Name

Jun OZAKI, Business Manager of R&D and Patent Department of  
Shin-Etsu Chemical Co., Ltd.

Signature

Jun Ozaki

Date

May 27, 2004

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of forms submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Linda Thorne and Richard W. ArmentroutApplication No./Patent No.: 10/717,976 Filed/Issue Date: November 20, 2003Entitled: PURIFICATION AND USE OF GELLAN IN ELECTROPHORESIS GELSShin-Etsu Chemical Co., Ltd.

(Name of Assignee)

a

corporation(Type of Assignee, e.g., corporation, partnership,  
university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_%

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above.  
The assignment was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the  
current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title noted in B above are  
attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be  
submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records  
of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

May 27, 2004

Date

Jun Ozaki

Typed or printed name

Jun Ozaki

Signature

Telephone Number

Business Manager of R&D and Patent  
Department

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

COPY

ASSIGNMENT

WHEREAS, we, **Linda Thorne** and **Richard W. Armentrout** (hereinafter referred to as ASSIGNORS), having mailing addresses of 3701 South Mission Road, Fallbrook, California 92028 and 542 Rosemont, La Jolla, California 92037, respectively, are the joint inventors of an invention entitled "PURIFICATION AND USE OF GELLAN IN ELECTROPHORESIS GELS," as described and claimed in the specification for which an application for United States letters patent was filed on November 20, 2003 and assigned Application No. 10/717,976; this application claims the benefit of U.S. Provisional Application No. 60/427,988, filed November 20, 2002;

WHEREAS, **Shin-Etsu Chemical Company, Ltd.** (hereinafter referred to as ASSIGNEE), a corporation of Japan having a place of business at 6-1, Ohtemachi 2-Chome, Chiyoda-ku, Tokyo 100-0004, Japan, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United

States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

1/2/2004  
Date \_\_\_\_\_  
Linda Thorne  
Linda Thorne

State of California )  
County of San Diego )

ss.

I certify that I know or have satisfactory evidence that Linda Thorne is the person who appeared before me, and said person acknowledged that she signed this instrument and acknowledged it to be her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 1-2-04



Signature of \_\_\_\_\_  
Notary Public John J Hunter  
Printed Name \_\_\_\_\_

My appointment expires August 30, 2005

\_\_\_\_\_  
Date \_\_\_\_\_  
\_\_\_\_\_  
State of \_\_\_\_\_ )  
\_\_\_\_\_  
County of \_\_\_\_\_ )  
ss.

Richard W. Armentrout

I certify that I know or have satisfactory evidence that Richard W. Armentrout is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated \_\_\_\_\_

Signature of \_\_\_\_\_  
Notary Public \_\_\_\_\_

Printed Name \_\_\_\_\_

My appointment expires \_\_\_\_\_

COPY

ASSIGNMENT

WHEREAS, we, **Linda Thorne** and **Richard W. Armentrout** (hereinafter referred to as ASSIGNORS), having mailing addresses of 3701 South Mission Road, Fallbrook, California 92028 and ~~542 Rosemont, La Jolla, California 92037~~ <sup>4828 FORREST TRAIL, DECATUR, IL 62521</sup>, respectively, are the joint inventors of an invention entitled "PURIFICATION AND USE OF GELLAN IN ELECTROPHORESIS GELS," as described and claimed in the specification for which an application for United States letters patent was filed on November 20, 2003 and assigned Application No. 10/717,976; this application claims the benefit of U.S. Provisional Application No. 60/427,988, filed November 20, 2002; RWA

WHEREAS, **Shin-Etsu Chemical Company, Ltd.** (hereinafter referred to as ASSIGNEE), a corporation of Japan having a place of business at 6-1, Ohtemachi 2-Chome, Chiyoda-ku, Tokyo 100-0004, Japan, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United

States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Date \_\_\_\_\_

Linda Thorne

State of \_\_\_\_\_ )

SS.

County of \_\_\_\_\_ )

I certify that I know or have satisfactory evidence that Linda Thorne is the person who appeared before me, and said person acknowledged that she signed this instrument and acknowledged it to be her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated \_\_\_\_\_

Signature of  
Notary Public \_\_\_\_\_

Printed Name \_\_\_\_\_

My appointment expires \_\_\_\_\_

Date

04-17-04

Richard W. Armentrout

State of ILLINOIS )

SS.

County of MACON )

I certify that I know or have satisfactory evidence that Richard W. Armentrout is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 4-17-04Signature of  
Notary Public Thomas W. BransonPrinted Name THOMAS W. BRANSONMy appointment expires 8/7/07